

WHAT IS CLAIMED IS:

1 ~~Sub B¹ 1~~ A dynamic damper, comprising:
2 a mass member assembly including a plurality of discrete mass
3 members, each mass member having an inner surface, an outer surface, and an
4 affixing member for affixing the mass member to another mass member of the
5 assembly, the mass member assembly being affixable to a rotary shaft.

6 ~~2~~ A dynamic damper as in claim 1, wherein the affixing member
7 comprises a tab for receipt by a mated receptacle of another mass member.

8 ~~3~~ A dynamic damper as in claim 1, wherein the affixing member
9 comprises a receptacle for receipt by a mated tab of another mass member.

10 ~~Sub B² 4~~ A dynamic damper, comprising:
11 a mass member assembly including a plurality of mass members,
12 each mass member having an inner surface and an outer surface, the mass member
13 assembly being affixable to a rotary shaft; and
14 a plurality of elongated connecting members each extending radially
15 inwardly from the inner surface of each mass member toward the rotary shaft thereby
16 defining a plurality of spaced apart attachment surfaces, wherein each of the plurality
17 of spaced apart attachment surfaces secures the damper in the closed position to the
18 rotary shaft, the mass member assembly being spaced apart from the rotary shaft and
19 being supported by the connecting members directly contacting the shaft to allow the
20 mass member assembly to vibrate by resonance, and the connecting members being
21 subjected substantially to compressive deformation between the mass member
22 assembly and the rotary shaft.

23 ~~5~~ A dynamic damper as in claim 4, wherein the rotary shaft has
24 a central axis of rotation and each of the plurality of spaced apart attachment surfaces
25 is aligned in a direction substantially parallel thereto.

26 ~~Sub B² 6~~ A dynamic damper as in claim 4, wherein the connecting

cont. B³

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Sub B 4/9

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(11.)

12. A dynamic damper as in claim 1, further comprising:

13. A dynamic damper as in claim 12, wherein the housing is

14. A dynamic damper as in claim 13, wherein the housing is

15. ~~A~~ dynamic damper as in claim 14, wherein the housing is

50 16. A dynamic damper as in claim 14, wherein the housing is
51 formed from an elastic material.

52 17. A dynamic damper as in claim 14, wherein the housing
53 envelopes substantially all of the outer surface of the mass member assembly when
54 the mass member assembly is in the assembled position.

55 18. A dynamic damper as in claim 14, wherein the housing is
56 formed from a heat shrinkable material.

57 19. A dynamic damper as in claim 14, wherein the housing is an
58 annular ring.

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